

PRACTICE WITH EXPANDING AND FACTORING POLYNOMIALS

****Do your work on a separate sheet of paper.**

A. Find each product using the method of your choice.

1) $6v(2v + 3)$

2) $(2n+2)(6n+1)$

3) $(3m - 1)(8m+7)$

4) $(4p - 1)^2$

5) $(7k - 3)(k^2 - 2k + 7)$

6) $(6n^2 - 6n - 5)(7n^2 + 6n - 5)$

B. Factor each polynomial using the GCF

1) $9c^2d - 18cd^2$

2) $3x^2y^2 - 5x^2y + 10xy^2$

3) $6x^2 - 10x + 12$

C. Factor each trinomial

1) $b^2 + 8b + 7$

2) $x^2 + 7x + 18$

3) $n^2 - 5n + 6$

4) $x^2 - 4x + 24$

5) $6v^2 + 66v + 60$ [Hint: pull out the GCF first, then factor what's left inside the parentheses].